

IN THE ABSTRACT:

Please amend the abstract as shown below.

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A corneal surgery apparatus for correcting a refractive error by ablating corneal tissue with a laser beam, [which is] being capable of finding a [pattern of correction] correction pattern optimum for a patient [so as] to ensure precise correction, and a method of determining correction data. The [corneal surgery] apparatus [is provided with input means] includes units for inputting refractive power data on a [contact lens used on a] trial [basis] contact lens, [calculation means for] converting the refractive power data to obtain ablation data, [control means for] controlling an ablation amount of the corneal tissue based on the ablation data, [storage means for] storing the refractive power data [in correspondence with] corresponding to each contact lens, and revising [means for revising] the refractive power data [on the contact lens]. The [correction data determining] method includes [a process] processes for obtaining a [value of] correction [made with] value made with a contact lens based on [a result] of an ophthalmic examination, [a process for] selecting a contact lens [for trial use] based on the [obtained values] value and [a process for] converting the refractive power data on the selected contact lens into the ablation data for correcting the refractive error if the trial use of the contact lens [bears a good result] results favorably.